

ABSTRACT OF THE DISCLOSURE

The manner in which power is supplied to the firing elements of an ink jet printhead is improved by moving a power supply capacitor from the printer to the print head cartridge to improve the regulation of the supply of power to the firing

5 elements of the print head cartridge. The capacitor can be attached to the tab circuit with solder or other wire bonding techniques. Placing the capacitor on the print head cartridge reduces the impedance between the capacitor and the print head, allows the capacitor to be matched to the print head cartridge firing requirements, allows remote voltage sensing at the print head, provides better voltage regulation at the print head

10 and reduces the likelihood the printhead electronics will be damaged due to voltage spiking.

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